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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) JUL 26 2004 U.S. PATENT AND TRADEMARK OFFICE		Application Number	10/678,168
		Filing Date	October 6, 2003
		First Named Inventor	Shunpei YAMAZAKI et al.
		Group Art Unit	2811
		Examiner Name	
Sheet	1	Attorney Docket Number	0756-7208

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
✓		5,608,232		Yamazaki et al.	03/04/1997	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ¹
		Office ³	Number ⁴	Kind Code ² (if known)				
✓		JP	07-038113			02/07/1995		Full

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Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓		Office Action for U.S. Application Serial No. 09/894,125 filed June 29, 2001.	

Examiner Signature	<i>[Signature]</i>	Date Considered	9-15-04
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				First Named Inventor	Shunpei YAMAZAKI et al.
				Group Art Unit	2811
				Examiner Name	Unassigned
				Attorney Docket Number	0756-7208
Sheet	1	of	1		

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		Specification, Claims, Abstract, and Drawings of U.S. Serial No. 09/352,362 Filed July 13, 1999, "Crystalline, Semiconductor Thin Film, Method of Fabricating the Same Semiconductor Device, and Method of Fabricating the Same"	
		Official Filing Receipt, Specification, Claims, Abstract, and Drawings of U.S. Serial No. 09/352,373 Filed July 13, 1999, "Crystalline Semiconductor Thin Film, Method of Fabricating the Same, Semiconductor Device, and Method of Fabricating the Same"	

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Complete if Known

Application Number	10/678,168
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First Named Inventor	Shunpei YAMAZAKI et al.
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Examiner Name	Unassigned
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		Office ³	Number ⁴	Kind Code ² (if known)				
mm		JP	09-312260		12/02/1997			AB

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NP		5,985,681		Hamajima et al.	11/16/1999	
NP		6,221,738		Sakaguchi et al.	04/24/2001	
NP		5,869,387		Sato et al.	02/09/1999	

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				Filing Date	July 13, 1999
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group Art Unit	2823
				Examiner Name	Fernando L. TOLEDO
Sheet	1	of	4	Attorney Docket Number	0756-7208

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
N		5,594,569		Konuma et al.	01/14/97	
		5,643,826		Ohtani et al.	07/01/97	
		5,923,962		Ohtani et al.	07/13/99	
		5,854,096		Ohtani et al.	12/29/98	
		5,365,875		Asai et al.	11/22/94	
		5,846,869		Hashimoto et al.	12/08/98	
		6,077,731		Yamazaki et al.	06/20/00	
		5,888,857		Zhang et al.	03/30/99	
		5,616,506		Takemura	04/01/97	
		6,121,076		Zhang et al.	09/19/00	
		6,093,937		Yamazaki et al.	07/25/00	
		5,960,323		Wakita et al.	09/28/99	
	N		6,335,541		Ohtani et al.	01/01/02

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W		JP	7-130652			05/19/95		Abst.

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N		Ryuichi Shimokawa, et al., "Characterization of High-Efficiency Cast-Si Solar Cell Wafers by MBIC Measurement," Japanese Journal of Applied Physics, Vol. 27, No. 5, pp. 751-758, 1988.	
		H. Furue, et al., "Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability," SID 1998.	
		T. Yoshida, et al., "A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time," SID DIGEST, pp. 841-844, 1997.	
N		S. Inui, et al., "Thresholds antiferroelectricity in liquid crystals and its application to displays," J. Mater. Chem., 6(4), pp. 671-673, 1996.	

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<i>NY</i>		5,696,386		Yamazaki	12/09/97	
		5,712,191		Nakajima et al.	01/27/98	
		5,923,966		Teramoto et al.	07/13/99	
		5,529,937		Zhang et al.	06/25/96	
		5,569,610		Zhang et al.	10/29/96	
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		5,147,826		Liu et al.	09/15/92	
		5,616,932		Sano et al.	04/01/97	
		5,910,015		Sameshima et al.	06/08/99	
		5,461,250		Burghartz et al.	10/24/95	
		4,986,213		Yamazaki et al.	01/22/91	
		5,403,772		Zhang et al.	04/04/95	
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		5,639,698		Yamazaki et al.	06/17/97	
<i>NY</i>		5,843,833		Ohtani et al.	12/01/98	

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<i>NY</i>		JP	08-078329		Ohtani	03/22/96	Abst.

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<i>NY</i>		Henry Dorin, Peter E. Demmin, Dorothy L. Gabel, "Chemistry The Study of Matter," 1992, Prentice Hall, page 532.	
		Aya et al., "Improvement of SPC Poly-Si Film Using the ELA Method," September 11- 12, 1997, pp. 167-170, AM-LCD.	
<i>NY</i>		Abe et al., "High-Performance PolyCrystalline Silicon TFTs Fabricated Using SPC and ELA Methods," July 9-10, 1998, pp. 85-88, AM-LCD.	

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		5,994,172		Ohtani et al.	11/30/99	
		6,027,960		Kusumoto et al.	02/22/00	
		6,054,739		Yamazaki et al.	04/25/00	
		6,096,581		Zhang et al.	08/01/00	
		6,124,154		Miyasaka	09/26/00	
		6,140,165		Zhang et al.	10/31/00	
		6,285,042		Ohtani et al.	09/04/01	
		6,023,074		Zhang	02/08/00	
		5,492,843		Adachi et al.	02/20/96	
		5,789,762		Koyama et al.	08/04/98	
		5,837,619		Adachi et al.	11/17/98	
		5,879,974		Yamazaki	03/09/99	
		5,897,347		Yamazaki et al.	04/27/99	
		5,953,597		Kusumoto et al.	09/14/99	
M		5,956,579		Yamazaki et al.	09/21/99	
		5,985,740		Yamazaki et al.	11/16/99	
		6,559,036		Ohtani et al.	05/06/03	

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M		Specifications and Drawings for Application Serial No. 09/894,125, "Crystalline Semiconductor Thin Film, Method of Fabricating the Same, Semiconductor Device and Method of Fabricating the Same," Filing Date: June 29, 2001, Inventors: Shunpei YAMAZAKI, et al.	
M		Specifications and Drawings for Application Serial No. 09/908,727, "Semiconductor Device and Method of Manufacturing the Same," Filing Date: July 20, 2001, Inventors: Hisashi OHTANI, et al.	

Examiner Signature	M Jm ✓ M	Date Considered	9-15-04
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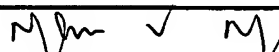
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				Group Art Unit	2823
				Examiner Name	Fernando L. TOLEDO
Sheet	4	of	4	Attorney Docket Number	0756-7208

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
NP		6,071,764		Zhang et al.	06/06/00	
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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
NP		JP	9-186336			07/15/97	Abst.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
NP		U.S. Patent Application Serial No. 09/412,512, including Specification, Drawings and Pending Claims, "Liquid Crystal Display Device Active Matrix Type Liquid Crystal Display Device, and Method of Driving the Same," Shunpei YAMAZAKI, October 5, 1999.	

Examiner Signature		Date Considered	9-18-04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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